

Flu Watch

MMWR Week 42: October 13 to October 19, 2019

All data are provisional and subject to change as more reports are received.

Geographic Spread



South Carolina reported
local activity this week.

Influenza Activity



Overall, there was no
change in influenza
activity this week.

Regional Influenza Activity



Increased



No change



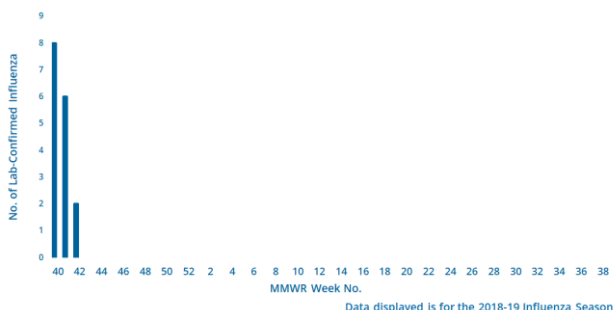
Decreased



Increased

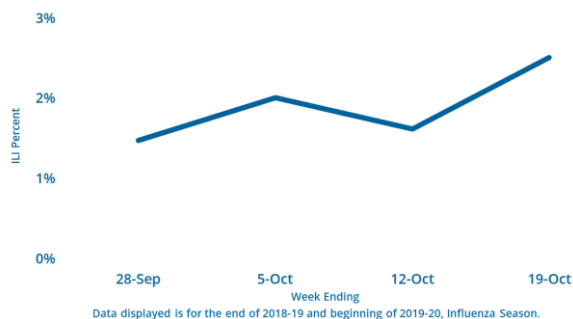
Virologic Surveillance

This week **2** lab-confirmed tests were
reported. In the current flu season, there
have been **16** lab-confirmed tests reported.



Influenza-Like Illness Surveillance

The percent of patient visits to sentinel
providers for an influenza-like illness (ILI) was
2.5%, which is **below** South Carolina's
baseline (**3.6%**). The ILI activity level overall
was **minimal**.



Influenza-Associated Hospitalizations

This week **14** influenza-associated
hospitalizations were reported by **37**
hospitals. The cumulative hospitalization rate
is **0.3 per 100,000**. In the current flu season,
there have been **28** influenza-associated
hospitalizations.

Influenza-Associated Deaths

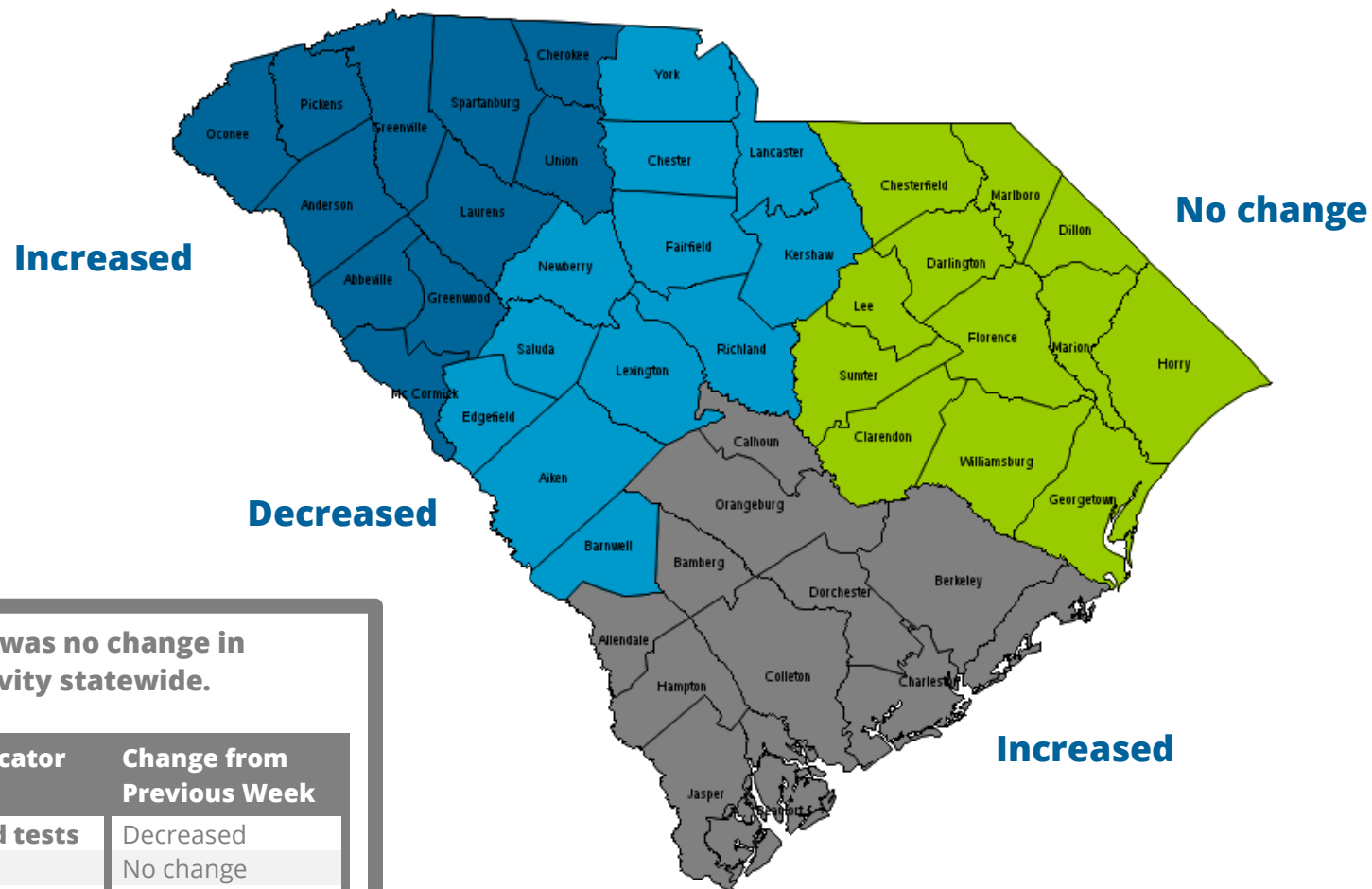
This week **0** influenza-associated deaths were
reported. In the current flu season, there have
been **0** influenza-associated deaths.

For a description of South Carolina's influenza surveillance components and definitions go
to: <http://www.scdhec.gov/Health/DiseasesandConditions/InfectiousDiseases/Flu/FluData/>

For national surveillance, please visit:
<https://www.cdc.gov/flu/weekly/>

Influenza Activity*

In the 4 Public Health Regions, activity showed...



Overall there was no change in influenza activity statewide.

Influenza Indicator	Change from Previous Week
Lab-confirmed tests	Decreased
ILI Percent	No change
Hospitalizations	Increased

*Indicators for assessing influenza activity include: lab-confirmed tests, ILI percent, and hospitalizations.

Virologic Surveillance

Lab-Confirmed Influenza Cases by Influenza Type To Date**

Influenza Type	No. of Cases (%)				5 season average
	This Week	2019-20	2018-19	2017-18	
Overall	2	16	12	4	5
Influenza A	1(50.0)	10(62.5)	7(58.3)	3(75.0)	3(79.5)
A(H3)	--	1(10.0)	--	3(100.0)	1(33.3)
A(H1N1)	1(100.0)	2(20.0)	1(14.3)	--	0(0.0)
A(NS)*	--	7(70.0)	6(85.7)	--	2(66.7)
Influenza B	1(50.0)	6(37.5)	5(41.7)	1(25.0)	2(20.5)
B (Victoria)	--	--	1(20.0)	--	0(0.0)
B(Yamagata)	--	--	--	1(100.0)	0(0.0)
B (LND)+	1(100.0)	6(100)	4(80.0)	--	2(100.0)

*NS – not subtyped

+LND – lineage not determined

**Data presented from previous influenza seasons represents the data from that season through the same week as the current season. Nationally, the influenza season begins with MMWR week 40 and ends with MMWR week 39. The 2019-20 influenza season began on September 29, 2019 and will end on September 26, 2020.

Laboratory-Confirmed Influenza Cases, by Virus Type

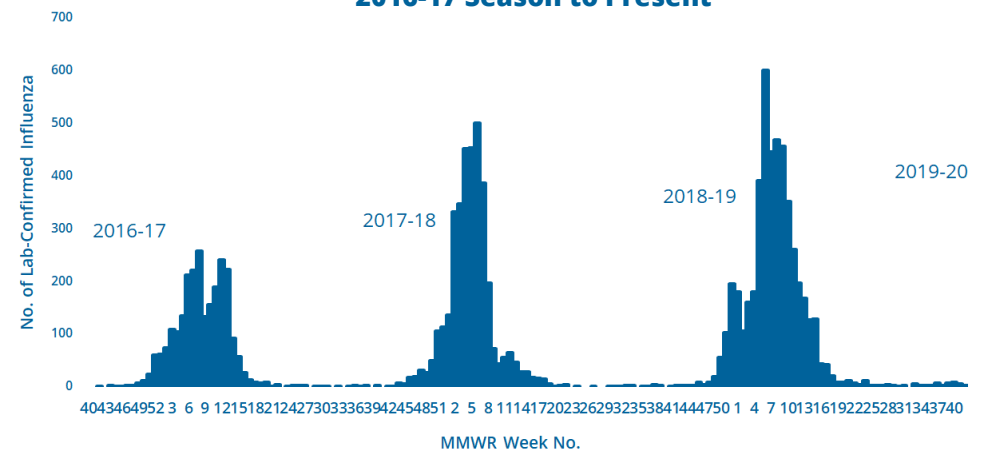
Week ending 10/19

Cumulative



■ A not subtyped ■ A(H1N1) ■ A (H3) ■ B (lineage not determined) ■ B (YAM) ■ B (VIC)

Laboratory-Confirmed Influenza Cases, 2016-17 Season to Present

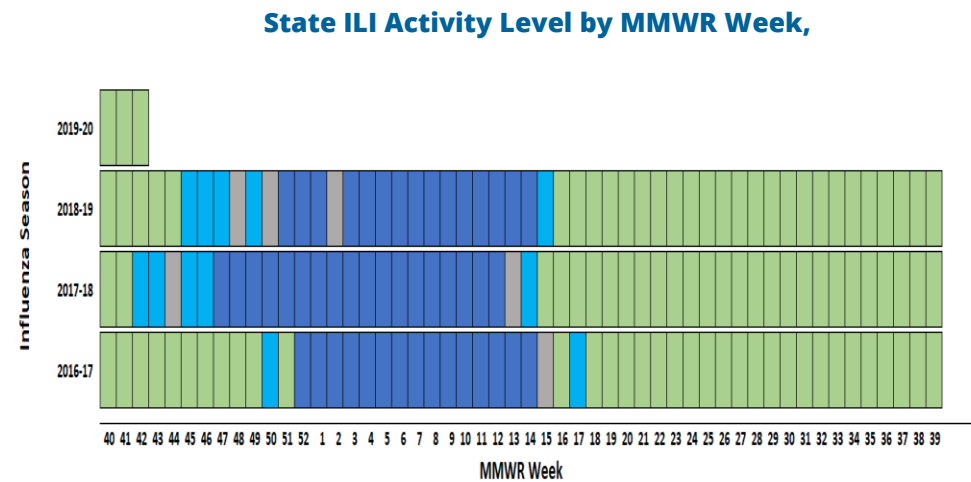
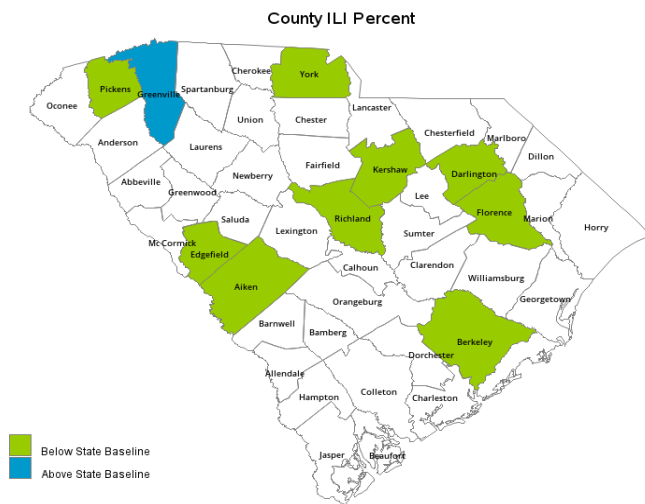
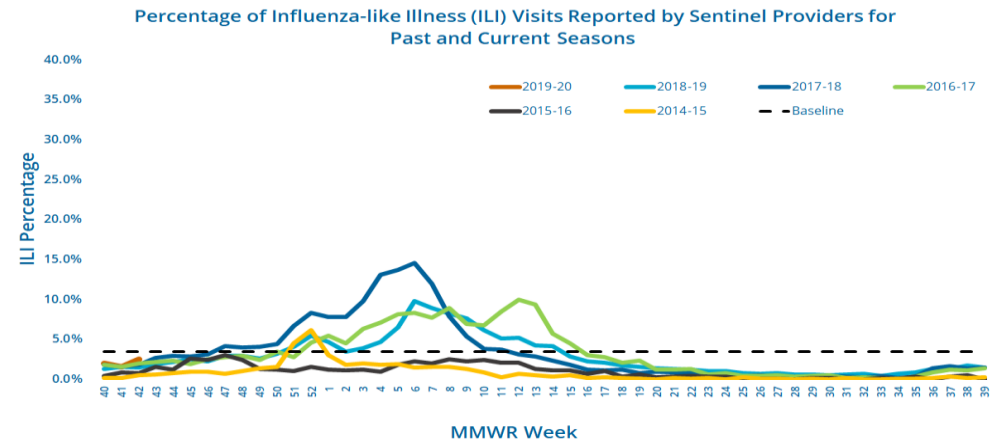


Influenza-Like Illness Surveillance

This week, the ILI activity level was **minimal** and **2.5%** of patient visits to SC ILINet providers was attributed to an influenza-like illness. This is **below** the state baseline, **3.6%**.

Reports were received from providers in **10** counties, representing all DHEC Public Health regions.

**ILI percentage is dependent upon the number of



ILI ACTIVITY LEVELS: **MINIMAL** **LOW** **MODERATE** **HIGH**

Influenza-Associated Hospitalizations and Deaths

Influenza-Associated Hospitalizations by Age Group*

Influenza Season	No. of Hospitalizations (Rate)					
	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+
This Week	14(0.3)	2(0.7)	--	3(0.2)	4(0.4)	5(0.6)
2019-20	28(0.6)	2(0.7)	--	4(0.2)	5(0.5)	17(2.0)
2018-19	14(0.3)	2(0.7)	2(0.2)	4(0.2)	3(0.3)	3(0.3)
2017-18	23(0.5)	1(0.3)	1(0.1)	4(0.2)	5(0.5)	12(1.4)
5 season average	27(0.5)	2(0.7)	2(0.2)	4(0.2)	7(0.7)	12(1.5)

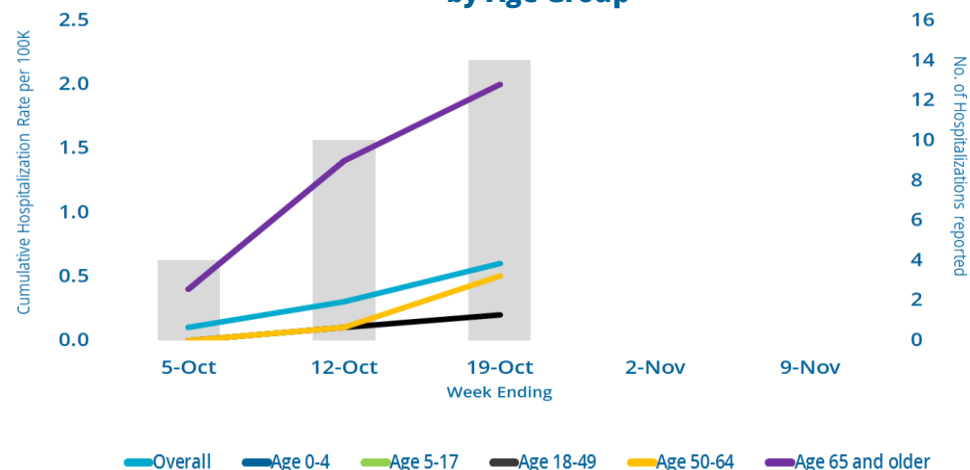
Influenza-Associated Deaths by Age Group*

Influenza Season	No. of Deaths (Rate)					
	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+
This Week	--	--	--	--	--	--
2019-20	--	--	--	--	--	--
2018-19	--	--	--	--	--	--
2017-18	1	--	--	--	--	1(0.1)
5 season average	2(0.0)	--	--	--	1(0.1)	1(0.2)

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Cumulative Hospitalization Rate by Age Group



Reported Influenza-Associated Hospitalization, 2016-17 Season to Present

